CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

Job No.: CTCE/BBMP/KT/CEMENT/2013-14 Date: 08.06.2013

TEST REPORT

CLIENT	:	**Executive Engineer,** (Project) East, BBMP, Bangalore
AGENCY	:	**Mr. K. Thyagaraj,** Contractor, Bangalore.
NAME OF THE WORK	:	Rain Water Harvesting, BBMP, Bangalore.
REFERENCE	:	EE(P)E/AE1/WO/69/2011-12 Dated: 28.10.2011
SAMPLE ID	:	CEMENT
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4)	29.50 %	-
2	a) Initial Setting Time	IS-4031 (Part -5)	190 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	465 Minutes	Not More than 600 Minutes
3	Soundness by the Le-Chatelier method	IS-4031 (Part 3)	1 mm	Not more than 10 mm

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

Any Query regarding the report must be reported within 30 days from the date of testing.

Sr. Atiqur Rehman Dr un AE

8/06

ASSISTANT EXCUTIVE ENGINEER

Bruhat Bangalore Mahanagara Palike

M/s. Civil-Tech Consultants & Engineers

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Bangalore-560079.

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Job No.: CTCE/BBMP/KT/AGG/2013-14 : 08.06.2013

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Executive Engineer,** (Project) East, BBMP, Bangalore

Agency : **Mr. K. Thyagaraj,** Contractor, Bangalore

Name of Work : Rain Water Harvesting, BBMP, Bangalore.

Reference : EE(P)E/AE1/WO/69/2011-12 Dated: 28.10.2011

Date of Testing : 08.06.2013

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Tabel - 1

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	171	3.42	3.42	96.58	95-100
10	3246	64.92	68.34	31.66	25-55
4.75	1352	27.04	95.38	4.62	0-10

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Job No.: CTCE/BBMP/KT/BRICKS/2013-14

Date: 10.06.2013

TEST REPORT

CLIENT	:	**Executive Engineer,** (Project) East, BBMP, Bangalore
AGENCY	:	**Mr. K. Thyagaraj,** Contractor, Bangalore.
NAME OF THE WORK	:	Rain Water Harvesting, BBMP, Bangalore.
REFERENCE	:	EE(P)E/AE1/WO/69/2011-12 Dated: 28.10.2011
SAMPLE ID	:	BRICKS
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the samples are as follows:

Sl. No	Description	Test method as per IS Codes	Result	Requirement as per IS 1077-1992 (Rev-5)
1	Compressive Strength Of Bricks	IS 3495-1992 (Part-1)	5.67 N/mm^2	Class designation 5.0
2	Water Absorption of Bricks	IS 3495-1992 (Part – 2)	9.84 %	Not more than 20 %
3	Efflorescence of Bricks	IS 3495-1992 (Part – 3)	Moderate	Up to 12.5 Class
4	Dimensional Analysis of Bricks (minimum Sampling is 20 Nos)	IS 1077-1992 (Rev – 5)		
(a)	Measurement of Length in mm		3863 mm	(3800 ± 80 mm)
(b)	Measurement of Width in mm		1835 mm	(1800 ± 40 mm)
(c)	Measurement of Height in mm		1419 mm	(1400 ± 40 mm)

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